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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/812,565	03/21/2001	Mutsurou Tanoue	Q63506	2639

7590 07/14/2005
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Washington, DC 20037-3202

EXAMINER

BHATTACHARYA, SAM

ART UNIT	PAPER NUMBER
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2687

DATE MAILED: 07/14/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/812,565

Applicant(s)

TANOUE ET AL

Examiner

Sam Bhattacharya

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 February 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-32 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 23-32 is/are allowed.
- 6) ☐ Claim(s) 1-5, 8, 9, 12-15, 18, 19 and 22 is/are rejected.
- 7) ☒ Claim(s) 6, 7, 10, 11, 16, 17, 20 and 21 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

The final Office action mailed on 10/22/04 is withdrawn and replaced by this Office action.

Claim Rejections - 35 USC § 102

1. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
2. Claims 1-5, 8, 9, 12-15, 18, 19 and 22 are rejected under 35 U.S.C. 102(e) as being anticipated by Keith et al. (US 6,115,655).

Regarding claims 1, 9, 13, 14 and 19, Keith et al. discloses a mobile system which is mounted on a mobile unit, including a position measuring section (GPS system 10) for measuring the position of the mobile unit; and a controller for determining whether or not continuing the position measuring operation is required after a main operation of the mobile unit has stopped (vehicle is stopped) and for controlling the position measuring section to continue the position measuring operation after stopping a the main operation when the position measuring operation is required. See FIG. 1, col. 5, lines 55-60 and col. 6, lines 2-9.

Regarding claim 2, Keith et al. discloses a positioning stopper for stopping the position measuring operation under the control of the controller. See col. 6, lines 15-21.

Regarding claim 3, Keith et al. discloses that the positioning stopper comprises a clock section which starts the clocking after stopping the main operation. See col. 6, lines 33-38.

Regarding claim 4, Keith et al. discloses an operation stop detector ("stop-indicating sensor") for detecting the stop of the main operation; wherein the operation stop detector is provided on a power line for supplying an electric power to the mobile system.

Regarding claims 5 and 15, Keith et al. discloses that the controller determines that continuing the position measuring operation is required after the main operation has stopped when the mobile system moves after the main operation has stopped. See col. 6, line 59 – col. 7, line 3.

Regarding claims 8 and 18, Keith et al. discloses that the controller determines that continuing the position measuring operation is required after the main operation has stopped when a substantial amount of time would be required for the position measuring section to reacquire position data to measure the position of the mobile system once the main operation is resumed. See col. 6, line 59 – col. 7, line 3.

Regarding claims 12 and 22, Keith et al. discloses that the controller instructs the position measuring section to stop performing the position measuring operation after the main operation has stopped when the position measuring operation is not required. See col. 7, lines 34-39.

Allowable Subject Matter

3. Claims 6, 7, 10, 11, 16, 17, 20 and 21 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

4. Claims 23-32 are allowed.

5. The following is a statement of reasons for the indication of allowable subject matter: claims 6, 7, 10, 11, 20 and 21 are objected to for the reasons stated in the previous Office action; the prior art fails to disclose a combination of elements in a system mounted on a mobile unit, including a control circuit that determines that a mobile unit moves after a main operation has

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stopped when there is continuous output from a terrestrial-based position sensing circuit after the main operation has stopped, as in claim 16; a controller that determines if a second power signal is appropriate, determines whether continuing to determine the position of the mobile is required if the second power signal is not appropriate, and instructs a first power signal to be supplied to a position measuring circuit if continuing to determine the position of the mobile is required, as in claim 23.

Response to Arguments

6. Applicant's arguments filed on 2/2/05 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Ando et al. (US 4,837,700) discloses an apparatus for processing data in a GPS receiver that includes analyzing data output from the receiver when a vehicle stops.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sam Bhattacharya whose telephone number is (571) 272-7917. The examiner can normally be reached on Weekdays, 9-6, with first Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lester G. Kincaid can be reached on (571) 272-7922.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

sb


7/11/05
LESTER G. KINCAID
PRIMARY EXAMINER